

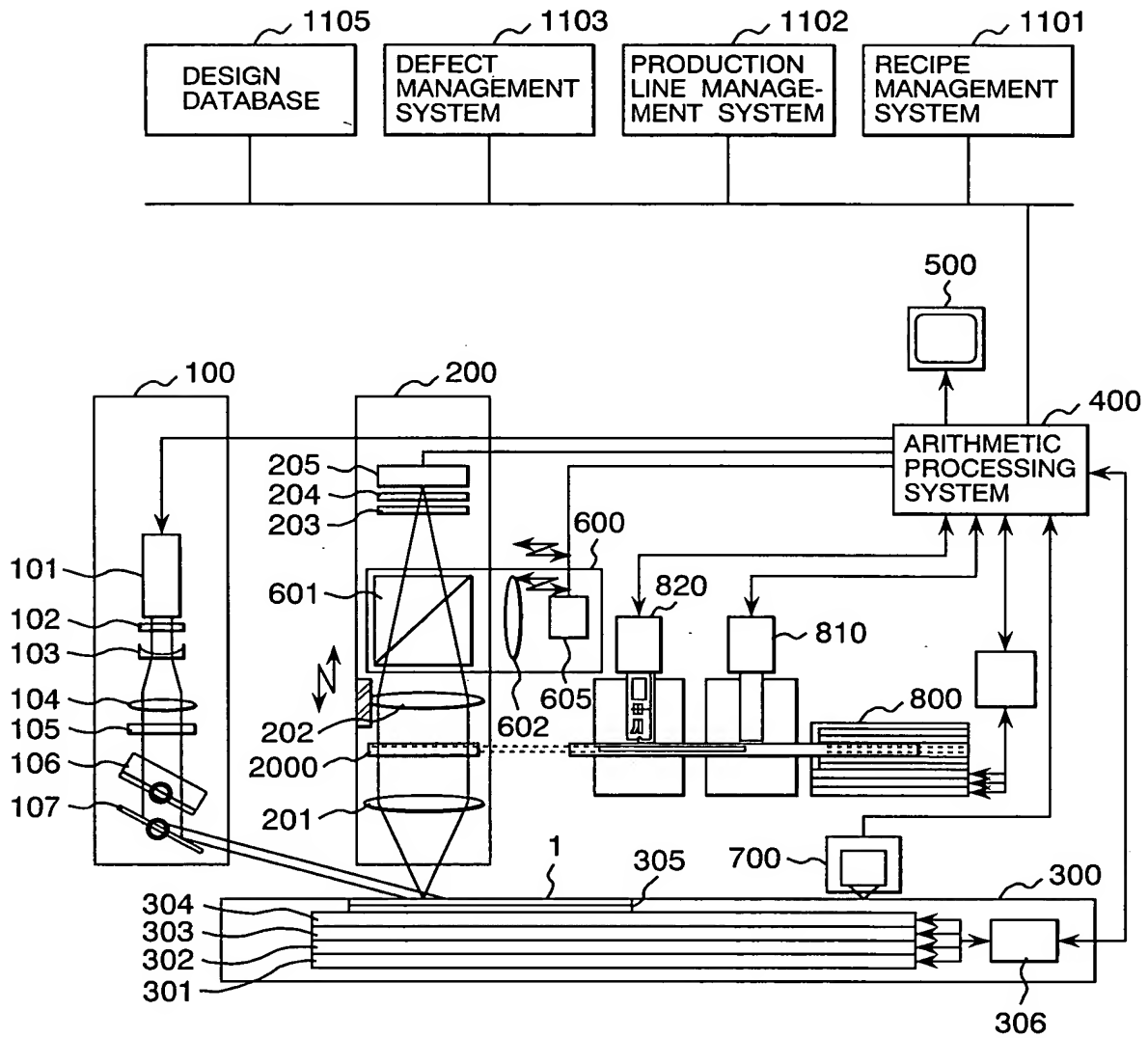
FIG. 1

FIG. 2A

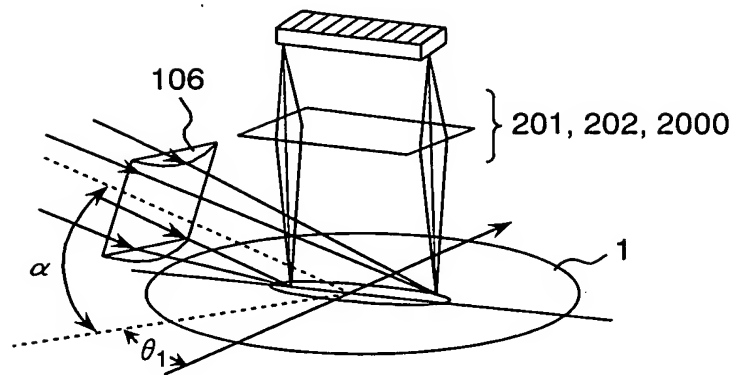


FIG. 2B

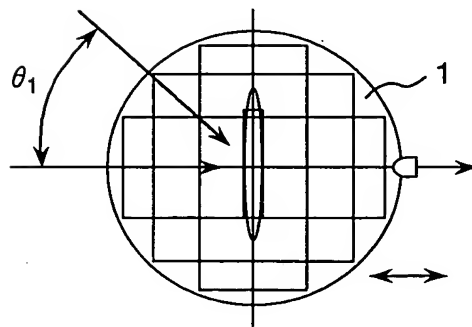


FIG. 3

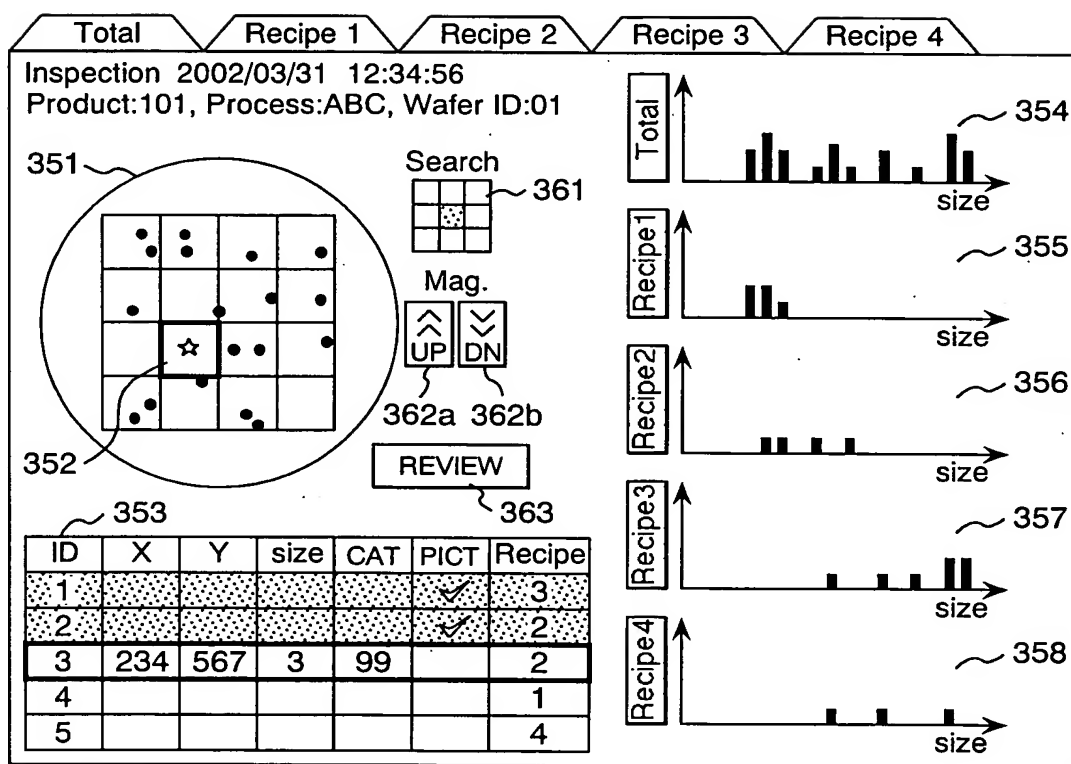


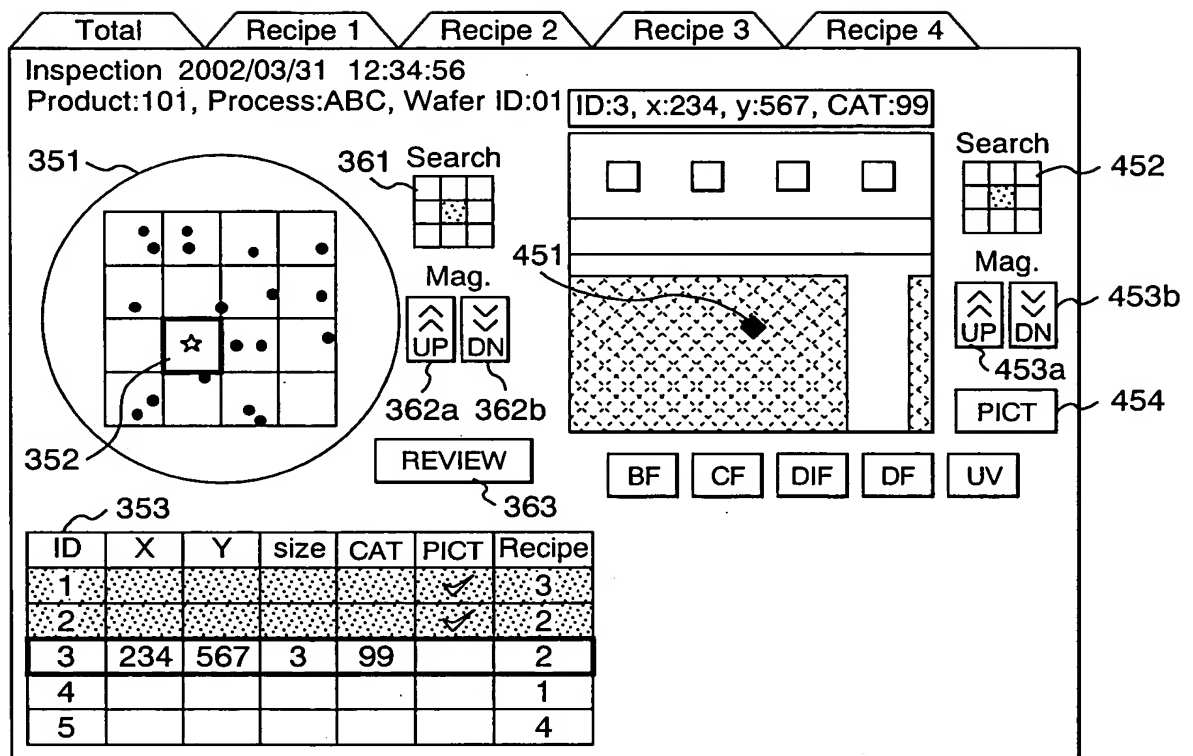
FIG. 4

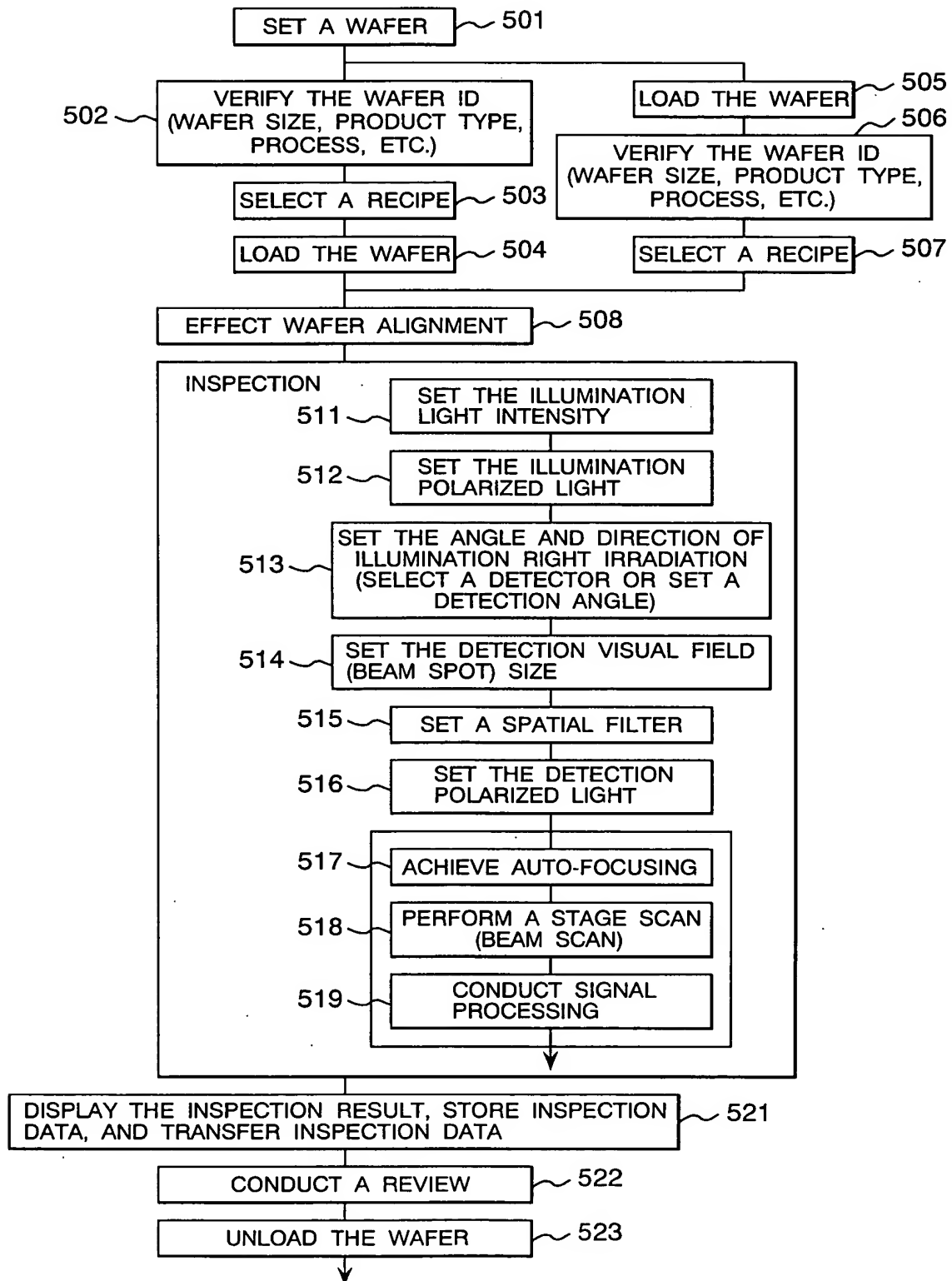
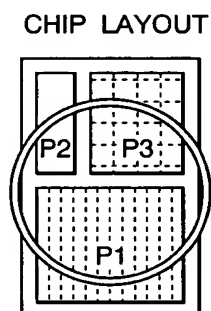
FIG. 5

FIG. 6A**FIG. 6B**

PATTERN ON WAFER	P1	P2	P3
DIFFRACTED LIGHT PATTERN	FP1	FP2	FP3

FIG. 6C

OR OF FP1, FP2, AND FP3 OBSERVED
FOURIER TRANSFORMED IMAGES

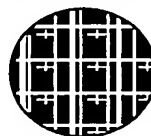


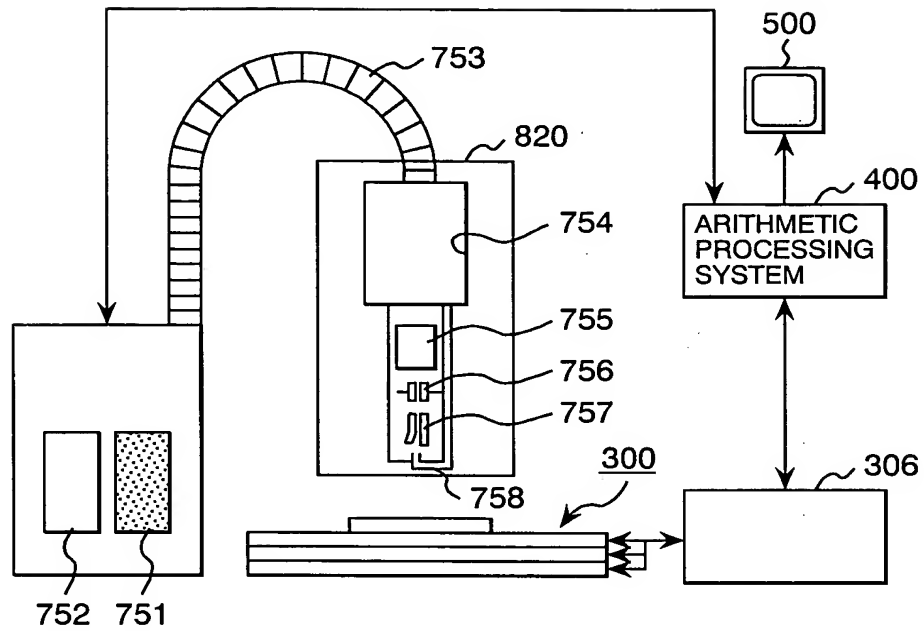
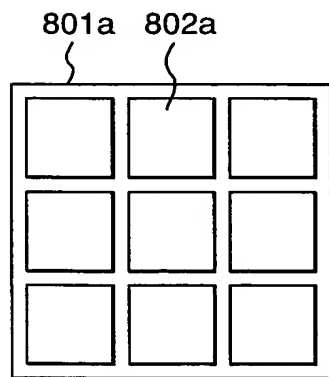
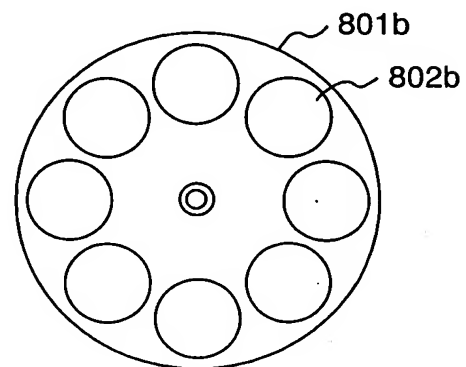
FIG. 7**FIG. 8A****FIG. 8B**

FIG. 9A

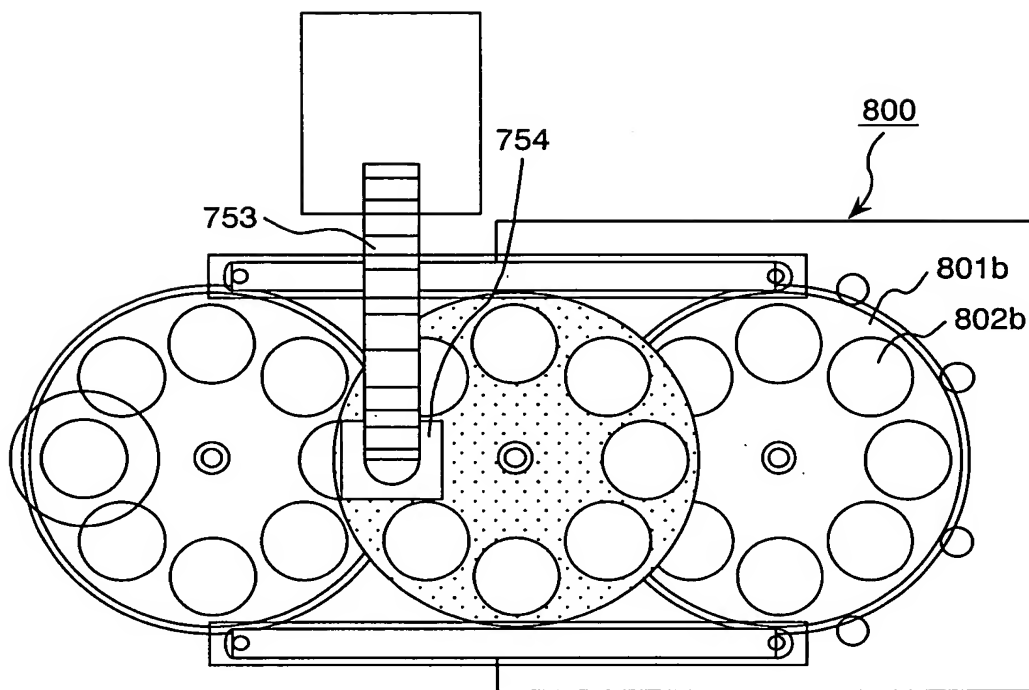


FIG. 9B

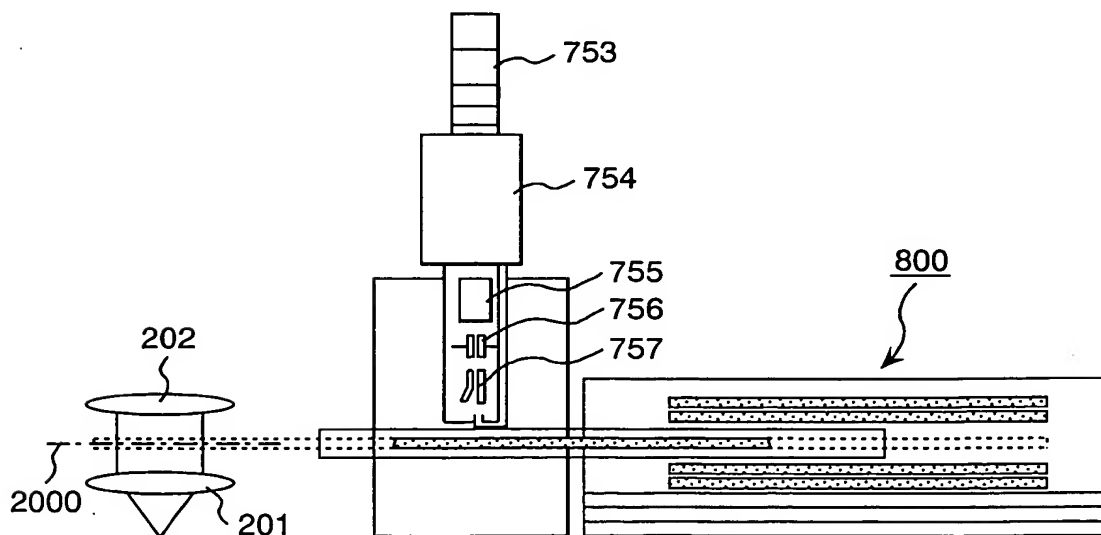


FIG. 10

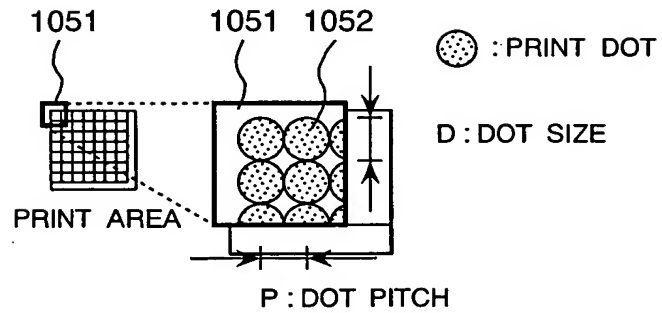


FIG. 11

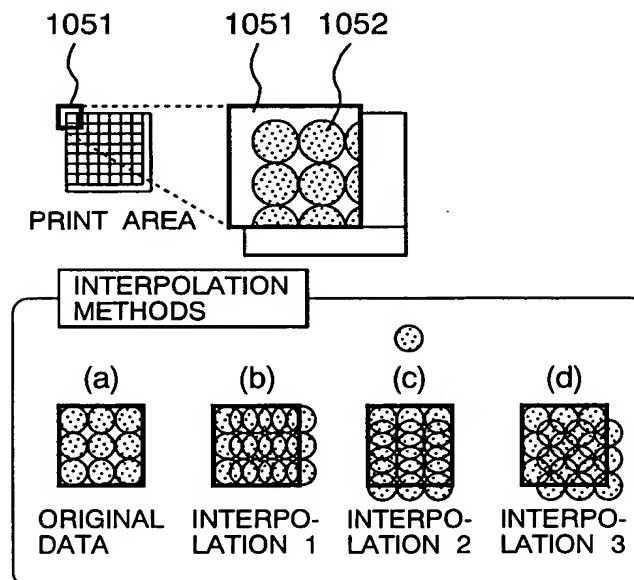
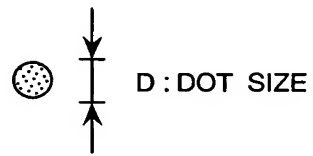
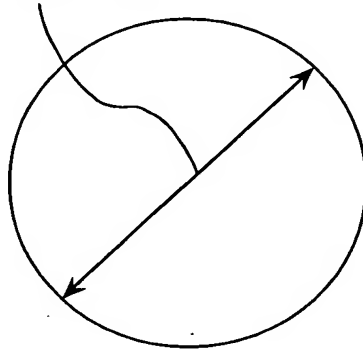


FIG. 12

FOURIER TRANSFORM PLANE DIAMETER AND PRINT DOT SIZE

FOURIER TRANSFORM
PLANE DIAMETER ϕ 

$$D \leq \frac{1}{50} \phi$$